

This listing of claims will replace all prior versions, and listings, of claims in the application:

1.(Currently Amended) A method for demulsifying an oil/water emulsion, said method comprising adding an alkylated dendrimer to said oil/water emulsion in an amount from 0.0001 to 5% by weight, based on the oil content of the emulsion to be demulsified, said alkylated dendrimer being a dendritic polyester ~~The use of alkoxylated dendrimers, which are dendritic polyesters, having a molecular weight of from 2400 to 100 000 g/mol which was have been alkoxylated with C₂-C₄-alkylene oxide groups or a mixture of [[such]] C₂-C₄- alkylene oxide groups [[such that]] to provide the alkoxylated dendrimer with [[has]] [[a]] an average degree of alkoxylation of from 1 to 100 alkylene oxide units per free OH group, for breaking oil/water emulsions, in amounts of from 0.0001 to 5% by weight, based on the oil content of the emulsion to be broken.~~

2.(Currently Amended) ~~The use as claimed in method of claim 1, where the alkylated dendrimer is a dendritic polyester, having a starting alcohol and a dendritic growth component, wherein the starting alcohol is selected from the group consisting of based on a mono-alcohol, di-alcohol, [[or]] polyfunctional starting alcohol, and mixtures thereof and a carboxylic acid as the dendritic growth component is a carboxylic acid which has at least two hydroxyl groups.~~

3.(Currently Amended) ~~The use as claimed in claim 1 and/or method of claim 2, where the starting alcohol [[used]] is selected from the group consisting of~~

bis(trimethylolpropane), bis(trimethylolethane), dipentaerythritol, pentaerythritol, alkoxylated pentaerythritol, trimethylolethane, trimethylolpropane, alkoxylated trimethylolpropane, glycerol, diglycerol, triglycerol, polyglycerol, neopentyl glycol, dimethylolpropane, sorbitol, [[or]] mannitol, and mixtures thereof.

4.(Currently Amended) The method of claim 2 use as claimed in one or more of claims 1 to 3, where the carboxylic acid is selected from the group consisting of to the dendritic chain growth is dimethylolpropanoic acid, α,α-bis(hydroxymethyl)butanoic acid, α,α,α-tris(hydroxymethyl)ethanoic acid, α,α-bis(hydroxymethyl)pentanoic acid, α,α-bis(hydroxy)propanoic acid, [[or]] 3,5-dihydroxybenzoic acid, and mixtures thereof.

5.(Currently Amended) The method of claim 1, wherein use as claimed in one or more of claims 1 to 4, where the alkoxylated dendrimer has dendrimers have a molecular weight of from 10 000 to 50 000 g/mol.

6.(Currently Amended) The method of claim 2 use as claimed in one or more of claims 1 to 5, in which the average degree of alkoxylation is between 1 and 70 alkylene oxide units per free OH group.

7.(Currently Amended) The method of claim 1 use as claimed in one or more of claims 1 to 6, in which the C₂-C₄-alkylene oxide is ethylene oxide or propylene oxide or a mixture thereof.

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8.(Currently Amended) The method of claim 1 use as claimed in one or more of claims 1 to 7, in which the mixture of C₂-C₄-alkylene oxide groups is a mixture of a mixed alkoxylation with ethylene oxide and propylene oxide with the ratio from 1:2 to 1:10 is present.

9.(Currently Amended) The method of claim 1 use as claimed in one or more of claims 1 to 8, where the alkoxylated dendrimers are dendrimer is crosslinked with a croslinker selected from the group consisting of [[using]] bisphenol A diglycidyl ether, butane-1,4-diol diglycidyl ether, hexane-1,6-diol diglycidyl ether, ethylene glycol diglycidyl ether, cyclohexanedimethanol diglycidyl ether, resorcinol diglycidyl ether, glycerol diglycidyl ether, glycerol triglycidyl ether, glycerol propoxylate triglycidyl ether, polyglycerol polyglycidyl ether, p-aminophenol triglycidyl ether, polypropylene glycol diglycidyl ether, pentaerythritol tetraglycidyl ether, sorbitol polyglycidyl ether, trimethylolpropane triglycidyl ether, castor oil triglycidyl ether, diaminobiphenyl tetraglycidyl ether, soya oil epoxide, adipic acid, maleic acid, phthalic acid, maleic anhydride, succinic anhydride, dodecylsuccinic anhydride, phthalic anhydride, trimellitic anhydride, pyromellitic anhydride, dimethoxydimethylsilane, diethoxydimethylsilane, toluene diisocyanate, diphenylmethane diisocyanate, and mixtures thereof.